



# K4 EdgeOne

## Maritime Internet and LAN Management system



### K4 Edge Services – Cellular Enabled

K4 EdgeOne is an industrial-hardened platform running K4's entire suite of WAN management services with integrated LTE, WiFi, and WAN source management

- Integrated Cellular Modem – 2x2 MIMO, 2x2 WiFi, 1x WAN source, 1x LAN interface
- Supports up to 8 SIM cards, routable manually or with predictive analytics
- Add an intelligent cellular node to an existing network and manage networks with advanced bandwidth bonding
- Portable, industrial fanless design
- Bridge or remote mount

The EdgeOne is a simple and integrated solution that replaces numerous discrete vessel connectivity systems. The onboard cellular modem and Wi-Fi add additional WAN services, while a universal WAN input gives the EdgeOne the flexibility to act as a full featured host and management platform. Easy to install and integrate, the EdgeOne runs K4's full technology suite to maximize on-vessel internet experience. Readily managed via a Local Web Portal, K4 Edge Mobile App, and via Cloud Kapture Service Portal - a fleet of systems can be reliably monitored and supported at scale.

### K4 EdgeOne

- Integrated LTE, Wi-Fi, and WAN management
- GbE interfaces for LAN/WAN connectivity (2x)
- 8x hosted LTE SIM with K4 Intelligent SIM selector
- Small "install-anywhere" enclosure (4.5"x3.5"x1.3")

### K4 Edge Application

- Intuitive dashboard
- Manage service from anywhere
- One-click management, service updates

### Advanced K4 QoS

- Deep packet inspection, DNS Content Filter
- Rate and Quota management
- One-click client/group management

### Security and performance

- Optimized LTE/SIM performance with K4 Mobility Management (ML/AI)
- Integrated stateful firewall
- DPI + CF to secure the Internet

### Local Area Network Management

- Direct and routed LAN DHCP DNS
- LAN monitor, Remote Connect
- M-DNS with enterprise VPN
- App, Device, and Group QoS

### Software Defined Wide Area Network

- Group/device/app priority
- Catalyst IQ channel bonding
- USA Internet

### Operations

- HA software/systems
- K4 Edge Connect from anywhere
- Role-based access without SSO
- 3rd Party Service Hosting



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# Specifications



K4 EdgeOne Front



K4 EdgeOne Back



K4 EdgeOne Side Panel – SMA Connections



EdgeOne Side Panel – 8x SIM Bank (SIM Bank Cap Removed)

<b>WAN Ethernet</b>	Up to 3x 1000 Mbps WAN Sources
<b>WAN WiFi</b>	802.11 ac/a/b/g/n 2x2 MIMO, 1166 Mbps
<b>WAN Cellular</b>	1x CAT12 LTE Modem - DL/UL 600/150 Mbps
<b>LAN Interface</b>	Up to 2x 1000 Mbps – LAN/Client
<b>WAN Sources</b>	1 native, Up to 3x with expansion
<b>LAN Ports</b>	1 native, Up to 2x with expansion
<b>GNSS Receiver</b>	GPS, GLONASS, Galileo, BeiDou, and QZSS
<b>Client Capacity</b>	200 Clients
<b>RF Connectors</b>	WiFi: 2x female RP-SMA LTE: 2x female SMA GPS: 1x female SMA
<b>Ethernet Interfaces</b>	2x 100/1000 Mbps Ethernet Ports
<b>Management Interfaces</b>	2x USB2.0, 2x USB3.0

<b>SIM Bank</b>	8x 3FF SIM (Micro) SIM slots; push/pull sockets
<b>Internet Throughput</b>	500 Mbps
<b>Power Input</b>	12-24 VDC (2A peak, 0.5A nominal), 100-240 V, 50-60 Hz AC Adapter Included
<b>Power Consumption</b>	10W (Typical) – 20% loading
<b>Cooling</b>	Fan-less – Silent
<b>Mounting</b>	Standalone
<b>Dimensions</b>	DxWxH (4.5" x 3.5" x 1.3 ")
<b>Weight</b>	0.875 lbs
<b>Operating Temperature</b>	0-50 C
<b>Operating Humidity</b>	Up to 90%, non-condensing
<b>Certifications</b>	FCC, CE, RoHS, 80Plus
<b>Warranty</b>	1 year limited